(19) Canadian intellectual Property Office

Office de la Propri,t, Intellectuelle du Canada (11) CA 2 376 903

(13) A1

(40) 04.01.2001 (43) 04.01.2001

An Agency of Industry Canada Un organisme d'Industrie Canada

(12)

(21) 2 376 903

(51) Int. Cl.7:

A61N 1/05

(22) 23.06.2000

(85) 21.12.2001

(86) PCT/US00/17222

(87) WO01/00273

(30)

(54)

60/141,202 US 25.06.1999

(72)

PUSKAS, JOHN D. (US).

(71)
EMORY UNIVERSITY,
1380 S. Oxford Road, ATLANTA, XX (US).

(74) FINLAYSON & SINGLEHURST

(54) DISPOSITIFS ET METHODES DE STIMULATION DU NERF VAGUE

DEVICES AND METHODS FOR VAGUS NERVE STIMULATION

(57)

The present invention relates to apparatus and methods for electrically inducing, pharmacologically maintaining cardiac asystole. The present invention also provides cutaneous array electrodes (900) that may

be used non- invasive to stimulate the vagus nerve.

901



intellectuelle du Canada

Un organisme d'Industrie Canada Intellectual Property Office

An agency of Industry Canada

(21) 2 376 903

(12) DEMANDE DE BREVET CANADIEN CANADIAN PATENT APPLICATION

(13) A1

(86) Date de dépôt PCT/PCT Filing Date: 2000/06/23

(87) Date publication PCT/PCT Publication Date: 2001/01/04

(85) Entrée phase nationale/National Entry: 2001/12/21

(86) N° demande PCT/PCT Application No.: US 2000/017222

(87) N° publication PCT/PCT Publication No.: 2001/000273

(30) Priorité/Priority: 1999/06/25 (60/141,202) US

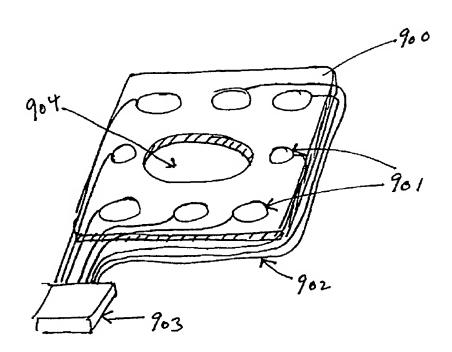
(51) Cl.Int.7/Int.Cl.7 A61N 1/05

(71) Demandeur/Applicant: EMORY UNIVERSITY, US

(72) Inventeur/Inventor: PUSKAS, JOHN D., US

(74) Agent: FINLAYSON & SINGLEHURST

(54) Titre: DISPOSITIFS ET METHODES DE STIMULATION DU NERF VAGUE (54) Title: DEVICES AND METHODS FOR VAGUS NERVE STIMULATION



(57) Abrégé/Abstract:

The present invention relates to apparatus and methods for electrically inducing, pharmacologically maintaining cardiac asystole. The present invention also provides cutaneous array electrodes (900) that may be used non-invasive to stimulate the vagus nerve.





